

ABSTRACT

A Real-Time Data Agent (RTDA) is capable of providing very thin wireless network clients (those having limited operating system and bandwidth capability) with the ability to create, initiate, and remotely control server agents to give immediate notification for relevant changes (defined by boolean-based criteria) for any World Wide Web (or Intranet) data that can be viewed on the given device. Quite simply, it provides an expedient function for a user to receive notification of relevant information from any World Wide Web page or data that can be viewed on a thin (wireless) device or client. RTDA focuses on data telephones and clipping browsers, especially those using WAP (wireless application protocol). Though the invention runs primarily from an application server within the Internet (or central network), its main feature is found in a screen interface for the client device (e.g. data-capable cellular phone). This key technology comprising an actionable interface that allows a user to instantly convert any page as an actionable vertical list, from which any element can be selected for notification per a defined set of boolean-based criteria. It is called "real-time" because the agent server returns a link to the original page address when the criteria are met, thereby delivering the most current version of the data.